

20030727.qrp v02_n994.qrl.20030727

Date: Sun, 27 Jul 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2994

QRP-L Digest 2994

Topics covered in this issue include:

- 1) [155000] Experimenter's DDS Signal Generator Update
by "Trevor Jacobs" <kg6cyn@softhome.net>
- 2) [155001] code/no code/too hard/too easy/and on and on
by Jim Eshleman <jce0@Lehigh.EDU>
- 3) [155002] Bumble Bee 12 looking for EU ++
by "sslyon" <sslyon@megalink.net>
- 4) [155003] Re: Homemade PCB's - Long
by "Craig Johnson" <cbjohns@cbjohns.com>
- 5) [155004] K4FB/BB # 162
by "Paul Womble" <pwomble@verizon.net>
- 6) [155005] Fox N3BJ Tomorrow
by "Alan Fryer" <N3BJ@hotmail.com>
- 7) [155006] ZM-2 tuner wanted
by "Paul Womble" <pwomble@verizon.net>
- 8) [155007] Re: Making etched circuit boards
by "Leon Heller" <leon_heller@hotmail.com>
- 9) [155008] "No brainer" etc.
by "Robert K. Henderson" <rk@sympatico.ca>
- 10) [155009] Re: Digimax D-1200 counter question
by Alex <kr1st@amsat.org>
- 11) [155010] I'm in love, I think...
by Alex <kr1st@amsat.org>
- 12) [155011] Re: OT: Ft. Tuthill Personal Plans
by Brian Short <bshort4@cox.net>
- 13) [155012] Re: Homemade PCB's - Long
by Peter Burbank <peterlee@qx.net>
- 14) [155013] Low-Power operation is a state of mind, EDN says
by Jon Iza <iapizloj@bi.ehu.es>
- 15) [155014] Re: MFJ Cub 20m drift problem
by "Julian (G4ILO)" <g4ilo@qsl.net>
- 16) [155015] RE: Elmer 160: Beginning PIC applications
by "Mike Warner" <mdwarner@paonline.com>
- 17) [155016] batteries
by Mike M0BST <m0bst@hotpop.com>
- 18) [155017] NVIS Antenna
by "William K. Harding" <k4ahk@ix.netcom.com>
- 19) [155018] N4BP/BB

- by Bob Patten <n4bp@bellsouth.net>
- 20) [155019] Re: Low-Power operation is a state of mind, EDN says
by Bruce Muscolino <w6toy@erols.com>
- 21) [155020] Rock Mites and Frozen Altoids tins
by Michael Babineau <michael.babineau@sympatico.ca>
- 22) [155021] Flight of the Bumblebees
by "Joe W2KJ" <w2kj@bellsouth.net>
- 23) [155022] Re: Elmer 160: Beginning PIC applications
by "N8PHU" <N8PHU@comcast.net>
- 24) [155023] Re: NVIS Antenna
by David Gauding <david.gauding@bbs.galilei.com>
- 25) [155024] Re: Flight of the Bumblebees
by Wayne Rogers <w5kdj@juno.com>
- 26) [155025] Re: Rock Mites and Frozen Altoids tins
by Joe Martin <km5cw@arrl.net>
- 27) [155026] Re: Low-Power operation is a state of mind, EDN says
by "George, W5YR" <w5yr@att.net>
- 28) [155027] rep ELMER 160(PIC 101 class)
by Joe Martin <km5cw@arrl.net>
- 29) [155028] RE: Low Power
by "George Osier" <gosier@twcny.rr.com>
- 30) [155029] need an high-pass filter filter
by Joe Martin <km5cw@arrl.net>
- 31) [155030] Re: NVIS Antenna
by "Michael Melland" <w9wis@charter.net>
- 32) [155031] OT: Cisco memory
by "Hubert Smits" <hubert.smits@zen.co.uk>
- 33) [155032] ZM-2 box
by Scott Gregson <emtech@steadynet.com>
- 34) [155033] BB#168 has flown home..(storm es rain)
by ve3ab@mail.mondenet.com
- 35) [155034] Re: ZM-2 box
by Scott Gregson <emtech@steadynet.com>
- 36) [155035] Pic Programmer
by "Scott A. Thomas" <qrp1@DpPros.com>
- 37) [155036] Re: Low-Power operation is a state of mind, EDN says
by Bruce Muscolino <w6toy@erols.com>
- 38) [155037] Bumblebees
by "John L. Sielke" <jsielke@pobox.com>
- 39) [155038] RE: Elmer 160: Beginning PIC applications
by "Randall" <Firefox67501@Cox.net>
- 40) [155039] Re: [fpqrp] BB today
by "w8diz" <w8diz@cinci.rr.com>
- 41) [155040] F.S. Excess QRP RIGS
by Gsdavis7070@cs.com
- 42) [155041] Re: Low-Power operation is a state of mind, EDN says
by Bruce Muscolino <w6toy@erols.com>
- 43) [155042] Re: OT: Ft. Tuthill Personal Plans

by "Chris Trask" <chistrask@earthlink.net>
44) [155043] Re: [fpqrp] BB today
by Wayne Rogers <w5kdj@juno.com>
45) [155044] Norcal Cascade / 20 meter power mod ?
by Rick McKee <kc8aon@juno.com>
46) [155045] BB contest
by Richard Lim <richlim11@yahoo.com>
47) [155046] Where's the beef (er, the foxes)?
by Tim Pettibone <k5oi@cox.net>

Date: Sat, 26 Jul 2003 16:01:05 -0700
From: "Trevor Jacobs" <kg6cyn@softhome.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [155000] Experimenter's DDS Signal Generator Update
Message-ID: <003701c353c9\$cc77c8c0\$368fb2d1@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Gang,

I took some time today and reformatted the PCB files that are on the web site. The zip file now contains much better 1:1 and now 4:1 scale images of the top, bottom and silk screen layers. Also the Silk Screen layer now contains the part numbers. You can download the zip file from:

http://www.qsl.net/kg6cyn/data/DDS_FILES/PCB%20Layouts.zip

Also the info on buying the PCB/CPU kit is on the web page at the Bottom. I talked to Jay the other night and he says they're going fast, so if you want one get in touch with Jay.

Take care...

73's Trev KG6CYN
<http://www.qsl.net/kg6cyn>

Date: Sat, 26 Jul 2003 19:20:05 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-l@Lehigh.EDU
Subject: [155001] code/no code/too hard/too easy/and on and on
Message-ID: <3F230CA5.7010904@Lehigh.EDU>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I'll be discarding any more posts on the topic.

73
Jim N3VXI

Date: Sat, 26 Jul 2003 19:34:10 -0400
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [155002] Bumble Bee 12 looking for EU ++
Message-ID: <000901c353ce\$6acb90c0\$18c6e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

KD1JV and I will bushwhack to the top of Sparrowhawk Mtn (no trails) and if all goes well, we'll have an Eighty-Eight at about 55' with a good shot at both NA continent and EU. We'll be using Steve's secret contest rig (don't even ask) with my A-T Sprint for back-up, Spaddle, and bear repellent. Yep... the blighters have been really pests around here lately, one even took a snooze under my daughters bird feeder just up the road. (pic on request) A 422 pounder was shot at a neighbor's house last year, so.... guess we won't be bringing food along for this trip.

We'll be listening very carefully for you EU/DX folks on this outing, so please know that it will be worth the effort -IF the propagation is with us.

73/72
seab
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Sat, 26 Jul 2003 18:51:40 -0500

From: "Craig Johnson" <cbjohns@cbjohns.com>
To: <qrp-1@lehigh.edu>
Subject: [155003] Re: Homemade PCB's - Long
Message-ID: <002401c353d0\$dc4c3270\$6201a8c0@K19950.tjar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cecil,
I have tried various methods also, including the blue Press-n-Peel. I was always frustrated at the results. No matter how carefully I ironed it and peeled it off I was always having to repair traces with a black marker before etching. I guess it did work - sort of . Maybe I didn't have the right iron temperature, although I tried to get it right. (I think it was 185 degrees, but can't remember for sure.)

I ended up switching to photo techniques and will NEVER GO BACK.

I use positive pre-sensitized boards from Circuit Specialists. They have good prices.

See <http://store.yahoo.com/webtronics/printed-circuit-board-supplies.html>

I don't think the boards are that expensive, considering the time and effort you put into it and the satisfying results you get. The boards that I have been working with lately are 4.5" x 6.5" (114mm x 165mm) and these single side blanks are only \$4.80 (or \$3.49 in quantities of 10 as I usually buy them). I can now make extremely SMALL traces, including the surface mount traces to mount a AD9854 DDS chip (.65mm spacing!) and it works great! Have also made some double sided boards using this technique, with good results. (Alignment is tricky!)

The photo techniques are a little different, but not difficult and not that expensive. I bought the exposure frame from Circuit Specialists, and also the fluorescent light in a fixture. Makes it easy to expose for 8 minutes instead of worrying about outdoor sunlight brightness, etc. I then put the board in a developer bath (diluted Sodium Hydroxide, NaOH, I believe) for a couple of minutes, and then into the ferric chloride etchant as before. Wash and scrub it a bit

and it is ready for drilling.

Don't believe you have to worry about the complicated air bubblers etc. I just use plastic freezer containers for the chemicals. I keep "sloshing" the board around in the developer or etchant with some plastic tongs and that works fine.

By the way, I use WinBoard for all my layouts.

-Craig, AA0ZZ

Date: Sat, 26 Jul 2003 19:56:47 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'FPigs'" <fpqrp-1@mpna.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [155004] K4FB/BB # 162
Message-ID: <000801c353d1\$932101b0\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I will be operating somewhere on the Florida Gulf Coast near Tampa Bay.
Hope to see many of you in the log.

73
Paul K4FB

Date: Sat, 26 Jul 2003 20:34:42 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [155005] Fox N3BJ Tomorrow
Message-ID: <Law9-0E58tniFKULPEh00003622@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Hounds

I'll be one of the foxes tomorrow, 2200Z to 2330Z (6:00 to 7:30 PM Eastern)
most likely running at 14.059 MHz, listening up 1 or 2 until the pack thins.

Please stop by and see if you can catch me.

I'll be running the K2 @ 5W as usual.

CU then,

Alan, N3BJ
Bent Mountain, VA

Date: Sat, 26 Jul 2003 21:43:12 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Cc: "'FPigs'" <fpqrp-1@mpna.com>
Subject: [155006] ZM-2 tuner wanted
Message-ID: <000a01c353e0\$70de4360\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Anyone have an Emtech ZM-2 tuner they are not using?

Must function 100% but cosmetics are not an issue.

Please reply with info and price.

Thanks!

Paul K4FB

Date: Sun, 27 Jul 2003 03:24:48 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: jfurman@ocs.net, qrp-1@Lehigh.EDU
Subject: [155007] Re: Making etched circuit boards
Message-ID: <Law15-F211tIzmQVuRW0000cef8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Jeff Furman <jfurman@ocs.net>
>Reply-To: jfurman@ocs.net

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Making etched circuit boards Date: Sat, 26 Jul 2003 13:24:28
>-0700 (PDT)

>

>I just remembered an old technique for 'no-etch" circuit boards:
>Just use a scribe (carbide probably for glass-epoxy) to cut narrow gaps
>between very wide traces. Imagine an ordinary pcb layout, but now make
>each trace wider until it just meets its neighbors. This boundry is the
>scribe line to make the circuit islands. Certainly, the capacitance
>between traces and to the ground plane on the other side is much greater
>than with ordinary width traces, but, it works for non critical stuff like
>active filters, and audio range circuitry. I can't say if one could make
>some rf circuits work, too, but it might be worth a try. sometimes the
>extra trace capacitance just requires smaller (lumped) capacitors to
>compensate. I have used leaded parts on such boards, but, would smt parts
>bridge these gaps?

With single-sided boards, this technique is very useful for RF. I used to use it a lot. I think that one PCB design package can do it.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Tired of 56k? Get a FREE BT Broadband connection
<http://www.msn.co.uk/specials/btbroadband>

Date: Sat, 26 Jul 2003 23:44:56 -0400
From: "Robert K. Henderson" <rk@sympatico.ca>
To: <qrp-1@lehigh.edu>
Subject: [155008] "No brainer" etc.
Message-ID: <BB48C2F2.875%rk@sympatico.ca>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Let's take a breath, brothers and sisters. When I said "no brainer," I wasn't referring to anyone but me. This post was a response to someone who asked about learning techniques. Bud has it right: the "no-brainer" part was the way I approached the question as a kid, not having considered that there might be other methods. My intention was to stress the fun I had with this

method and the success I experienced. Having been sneered down to my sneakers by other hams on many occasions for knowing no more about electronics than they were willing to teach me, I would never suggest that having code skills makes me a ham radio god. That ground is already occupied by the aforementioned sneermeisters.

As for people who don't yet have code skills, I've read that post over again in case something was badly worded, but I haven't found anything negative in it. (Unlike my post about "hams" who don't Elmer, which had some choice negative comments that I militantly stand by and will not apologise for.) On this topic, I believe I've made myself crystal clear: it's the primary responsibility of hams to welcome enquirers and learners, and take whatever steps necessary to get them on the air and attain whatever goals they cherish for their ham radio hobby. That extends to CBers, no-code Techs, and anyone else who needs or wants our help. That's what my signature meant: "Rob 'Honoured to QRS' Henderson."

As to CW requirements, that subject figures nowhere in that post. But it occurs to me that flaming others is a poor way to reduce BS on any topic.

I often see "The Amateur is Progressive" hurled at defenders of CW requirements. I'll see that, and raise you this: "The Radio Amateur is Considerate," "The Radio Amateur is Friendly," and "The Radio Amateur is Balanced." All good ideas.

Sometimes I have it coming. This wasn't one of them.

--

Rob Henderson
KB7PWJ

See my article "Low Power, Crummy Antenna," QST, December 1999. PDF file available from the ARRL website:

<http://www.arrl.org/tis/info/pdf/9812057.pdf>

Date: Sat, 26 Jul 2003 00:49:18 -0400
From: Alex <kr1st@amsat.org>
To: Jim <k4gt@mindspring.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [155009] Re: Digimax D-1200 counter question
Message-ID: <3F22084E.905C5E46@amsat.org>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim,

Thanks a bunch for the information! I wondered why there was a power switch on the back also. I opened up the counter to check the battery pack, and indeed it's dead. There are no batteries in it. :)

Only problem it had was that the on/off switch was stuck. Fixed that and put some C cells in it to check it out. Works like a champ! It even has an crystal oven. It came with a BNC antenna, but it doesn't look original (looks like the center loaded RS one).

I'll buy an adapter for it tomorrow and then I'm all set. Indeed the counter looks like it'll last a very long time.

Again thanks and 73,
--Alex KR1ST

Jim wrote:

>
> 9-14 Vdc, 260-500 ma. Has internal battery pack, probably dead. Mine
> is.
>
> Direct: 50 Hz to 50 Mhz
> Prescale: 10 Mhz to 1.2 Ghz
>
> Time Base: 10 Mhz TCXO
>
> Accuracy +/- .1 ppm
>
> I've had mine for almost 20 years. Great Counter!
>
> Jim
> K4GT
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> Of Alex
> Sent: Saturday, July 26, 2003 12:24 AM
> To: Low Power Amateur Radio Discussion
> Subject: Digimax D-1200 counter question
>
> Hi there,
>
> I've just acquired a Digimax model D-1200 frequency counter. It didn't

> come with a manual or power adapter. I don't even know if it works, but
> for the price I was very willing to gamble. Would anyone on this list
> know what the power requirements (V, A, polarity) are for this counter?
>
> Thanks a bunch and 73,
> --Alex KR1ST

Date: Sun, 27 Jul 2003 00:26:23 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [155010] I'm in love, I think...
Message-ID: <3F23546F.2939E549@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Either the conditions are very good or this delta loop is really
cookin'. Just worked ZL1MFW, IOTA OC 201, 5 Watts SSB on 20 meters
(03:53 UTC), first call. Didn't even have to repeat my call as it often
happens for me on these distances. Almost 1700 miles per Watt.

73,
--Alex KR1ST

Date: Sun, 27 Jul 2003 00:02:59 -0400
From: Brian Short <bshort4@cox.net>
To: Low Discussion <qrp-l@Lehigh.EDU>
Subject: [155011] Re: OT: Ft. Tuthill Personal Plans
Message-ID: <35D2E416-BFE7-11D7-843E-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

On Tuesday, July 22, 2003, at 07:45 PM, Brian Short wrote:
> Thank god we in the valley (Phoenix) finally got some
> rain! I suspect that rain at some time over the weekend is
> almost a certainty in Flagstaff. So, I am going to buy more
> bungee cords and maybe an extra tarp.

As it turns out, it was very wise of me to buy a couple new
tarps and a big package of bungees.

Just after arrival and setting up my surplus items for sale
in the outdoor swap area on Friday, rain started coming

down in large buckets, barrels maybe. Hail too!

An unofficial source said that his homebrew rain gauge measured 2 inches of precipitation in a couple hours. Whatever. It was a LOT of rain.

Spirits dampened, but not too much, I camped and awoke early to wonderful, sunny weather Saturday morning. It was absolutely beautiful weather until 1:30 when a good, strong thunderstorm moved through bringing rain again.

Anyway, thanks to those who stopped by to say hello. I did make it over to Bookman's late Friday night and found a couple interesting books. There was a damp aroma of freshly brewed Espresso and live, acoustic, sorta folk-style music.

All in all, it is always a fun trip.

--

See my web page: <http://www.k7on.com>

Date: Sun, 27 Jul 2003 02:39:06 -0400
From: Peter Burbank <peterlee@qx.net>
To: cbjohns@cbjohns.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [155012] Re: Homemade PCB's - Long
Message-ID: <5.2.0.9.0.20030727022212.009fa4c0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:51 PM 7/26/2003, Craig Johnson wrote:

>Cecil,
>I have tried various methods also, including the blue Press-n-Peel. I
>was always frustrated
>at the results. No matter how carefully I ironed it and peeled it off I
>was always having to
>repair traces with a black marker before etching. I guess it did work -
>sort of. Maybe I
>didn't have the right iron temperature, although I tried to get it
>right. (I think it was 185 degrees,
>but can't remember for sure.)
>
>I ended up switching to photo techniques and will NEVER GO BACK.

I agree regarding photo techniques Craig. Steve must have "the touch" on

the other technique. I built one
of his kits and it was great quality.
One thing that should be mentioned about Ferric Chloride is that it
can really make a mess of aluminum
trim around the sink plus nasty stains in formica. Luckily I was not
married. :-)
73
Pete NV4V

Date: Sun, 27 Jul 2003 10:20:19 +0200
From: Jon Iza <iapizloj@bi.ehu.es>
To: qrp-l@lehigh.edu
Subject: [155013] Low-Power operation is a state of mind, EDN says
Message-ID: <3F238B43.4030308@bi.ehu.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Folks,
on the current issue of Electronic Design News, EDN, an article reads:

LOW-POWER OPERATION IS A STATE OF MIND
Achieving low power requires a certain mindset. If you combine several
techniques with execution time and a little intelligence, you can easily
tackle your most challenging power-conservation problems.

It looks like the author, Bonnie Baker, had us on her mind while
writing, but this is not the case. But I got a sweet kick while reading
the headlines...
Be well

jon, ea2sn

Date: Sun, 27 Jul 2003 11:13:55 -0100
From: "Julian (G4ILO)" <g4ilo@qsl.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [155014] Re: MFJ Cub 20m drift problem
Message-ID: 661141179955131127072003@excelsior.tech-pro.co.uk

Actually, Bruce, I did those tests in response to your suggestion that the heat sink might be getting hot. So I couldn't have told you about them before because I hadn't done them then.

I don't think changing capacitors is a good idea until I know where the drift is coming from. If it is temperature, please explain why does it drift the opposite way when I warm it up to what it does after a period of transmission? You don't appear to realise that the Cub's VFO is varicap tuned, so I guess you haven't actually built one. I didn't expect the Cub to be as good as K1 (which I didn't get because I couldn't afford it) but I did think there might be a lot more Cub builders on this list who might have had experience of these problems. My apologies for troubling the group with this problem.

73,

--

Julian, G4ILO. (RSGB, ARRL, G-QRP)

G4ILO's Shack: <http://www.qsl.net/g4ilo>

==== Original message ====

> Well either I misunderstood your problem or you didn't express it very
> well. You should have told us about the drift caused by blowing hot or
> cold air on the VFO. You also should have told us the heat sink
> remained cool to the touch.
>
> I don't know what URL you use to contact MFJ service directly, but I'll
> bet contacting MFJ directly would get you pointed the right way.
>
> Now, to your problem. I don't know what VFO circuit the Cub uses, butt
> a look at the circuit will tell you. There are two components that can
> cause the drift you see. The coil or the capacitors across it. I would
> first look at the temperature coefficient of the capacitors. You should
> be able to buy a replacement capacitor with a better temperature
> coefficient at your local parts stockist. Try that.
>
> I admire your comments about Elecraft. If they are so damn good why
> didn't you spring for one? I'd bet you wanted a simpler rig, a rig to
> learn on. Now you have ti learn, do it.
>
> 73
>

Date: Sun, 27 Jul 2003 07:30:58 -0400
From: "Mike Warner" <mdwarner@paonline.com>
To: <qrp-1@Lehigh.EDU>
Subject: [155015] RE: Elmer 160: Beginning PIC applications
Message-ID: <NHBBLDBPGLDHDPMOHCLLMEEELCAAA.mdwarner@paonline.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello John and group,
Thanks much for the offer to elmer on PIC's!
I am very interested in being part of this project.
I played around briefly with a PIC16F84 about two years ago but haven't done anything since.
Parts kit or individual purchases will be fine with me, whatever the elmer suggests.
Maybe I will be able to use my Ramsey PICPRO programmer that has been sitting around collecting dust.
Will these sessions be on this list or direct email or.....?

73 de N3XPD
Mike

Date: Fri, 25 Jul 2003 22:00:57 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [154954] Elmer 160: Beginning PIC applications
Message-ID: <066b01c35319\$c2915ca0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Ok Gang,

There has been a terrific response to the call for interested parties in a PIC Elmer session, so I guess it's a go. Besides the notes you saw on the reflector, I got close to 50 emails direct. I've already started preparing.

One thing that concerns me is the parts. Most everything I plan to use you probably already have or you can get at Radio Shack. The two exceptions are

the PIC itself and the crystal.

Here's the kicker ... the PIC is six bucks and the crystal a buck at DigiKey. *BUT*, DigiKey has a \$25 minimum order and they ship UPS, which means your \$7 order will cost you AT LEAST \$21 (depending on where you are and how much of a hurry you are in). Of course, it's not hard to find other things you need at DigiKey, but not everyone may be inclined to use this as an excuse to stock their parts drawers.

There's a pretty sizeable price break on PICs at 25, so if we did a group buy, it would probably be possible to get the PIC and crystal for less than \$10 including Priority Mail.

I haven't made up the full parts list yet, but besides diodes, resistors, connectors, buttons and something to build on, the only other significant parts are a DB 25 connector, an 18 pin socket, and 12 and 5 volt regulators. My local RS had all of these last week when I was there, but I understand that the parts drawers are getting mighty slim at some of the stores.

Do we need to get together an entire parts kit? I'm guessing that most folks have most of the stuff, but maybe that's not the case.

Please, from here on, include Elmer 160: on any correspondence. My spam filters are pretty tough anymore and I've been fishing a lot of stuff out of the spam bucket. It's pretty easy to miss stuff in there.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 27 Jul 2003 13:24:47 -0700
From: Mike M0BST <m0bst@hotpop.com>
To: qrp-l@lehigh.edu
Subject: [155016] batteries
Message-ID: <3F24350E.5A0D@hotpop.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Everyone,

I posted this question a while back on GQRP-l and got just two responses. The first told me a horror story about some cells exploding

at the factory, therefore, don't even try, and the second, saying that's a load of **** and it was a developmental problem and I would have to something -REALLY- stupid to even risk this happening. I still never got an answer though.

I picked up a pile of rechargeable Li-ion batteries at a hamfest a while ago for next to nothing. They are small slab cells by Panasonic, 3.6V 400mA h. I assume they are for cel phones or similar. Anyone have any information as to how I should recharge them? It would be great if I can because they weigh hardly anything.

While on the rechargeable battery topic, if one factors cost completely out of the equation, what type of cells give the highest capacity for the least weight/size? any ideas? I assume some type of lithium cell but maybe something else is out there. Again forget cost, for now at least!

Have a good weekend
72/73

Mike M0BST

Date: Sun, 27 Jul 2003 08:40:43 -0400
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [155017] NVIS Antenna
Message-ID: <E19gkmq-0007nz-00@granger.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

There was a thread on this list back a few months ago about the Military AS-2259/GR portable NVIS antenna. This is the one that has coaxial mast sections. Since I didn't have that antenna, I didn't pay too much attention to the thread. Someone has given me one that is in very good condition with the canvas bag and setup instructions.

It does not, however, have a base adapter/connector of any type. A model 1995 ground base or equivalent would be ideal but the manufacturer does not stock them. Is there any information available for home brewing a base connector?

Bill - K4AHK
Burke, VA

Date: Sun, 27 Jul 2003 08:47:21 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>,
Elecrafft Reflector <elecraft@mailman.qth.net>
Subject: [155018] N4BP/BB
Message-ID: <3F23C9D9.9010509@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Leaving for the FL Keys in about 15 minutes to operate from Guano Reef
(mm70),
our yearly Field Day site. Will bring the K2 and 4BTV. Hope to work
many of you.

--

73, Bob Patten, N4BP

Plantation, FL

E-Mail: n4bp@arrl.net

Website: <http://www.qsl.net/n4bp>

QRP ARCI #3412

SOC #1

ARS #799

Whiners #6 FISTS #7871

Date: Sun, 27 Jul 2003 09:14:03 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: iapizloj@bi.ehu.es
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [155019] Re: Low-Power operation is a state of mind, EDN says
Message-ID: <3F23D01B.273AE49E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

By this point it should be abundantly clear that low power operation is
largely an issue of state of mind. You HAVE to believe your signal will
be heard. You HAVE to be clear that signal report is not the most
important issue, the QSO s what counts. I have been a low power
operator most of my life. I think I have run more than 199 watts output
only a few times in my life, and that was at other peoples stations.
Yet I have satisfied all my goals in amateur radio. This is because I
have also learned patience. And I don't think running low power is
anything special.

Date: Sun, 27 Jul 2003 10:31:57 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [155020] Rock Mites and Frozen Altoids tins
Message-ID: <13732FDE-C03F-11D7-97B2-00039309268A@sympatico.ca>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

Well ... at long last I have finished my Rockmite 40M and successfully mounted it into an altoids tin.

I just wanted to say thanks to whoever it was that suggested filling the Altoids tin with water and freezing it before drilling holes. This worked

like a charm and I was easily able to drill a 3/8 inch hole to mount the BNC antenna connector (after drilling a small pilot hole) with a normal drill bit without tearing the metal up. This idea is one of those priceless hints that makes subscribing to this list so worthwhile.

No QSOs with the rig yet but it seems to be working fine with about 450mw out. I have the added bonus of being able to hear the news and weather in the background from one of our local AM Broadcast stations 580 CFRA ;-)

Any suggestions on reducing BCB interference? So far I have only had the RM hooked up to my rather broad-banded GAP vertical which I am sure is not helping the problem.

Cheers ...

Michael VE3WMB

Date: Sun, 27 Jul 2003 10:44:56 -0400
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [155021] Flight of the Bumblebees
Message-ID: <003801c3544d\$a5bf52a0\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Howdy Gang:

What time are the Bumblebees flying today???

73, Joe W2KJ

Date: Sun, 27 Jul 2003 11:42:18 -0400
From: "N8PHU" <N8PHU@comcast.net>
To: <qrp-1@lehigh.edu>
Subject: [155022] Re: Elmer 160: Beginning PIC applications
Message-ID: <000a01c35455\$ab9c33c0\$6401a8c0@anaprd01.md.comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Count me In, would love to get a leg up on PICs.

Chris
Chief Operator A.R.S. N8PHU
ET1(SW) USN (Retired)

----- Original Message -----
From: "Mike Warner" <mdwarner@paonline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, July 27, 2003 7:30 AM
Subject: RE: Elmer 160: Beginning PIC applications

> Hello John and group,
> Thanks much for the offer to elmer on PIC's!
> I am very interested in being part of this project.
> I played around briefly with a PIC16F84 about two years ago but haven't
done
> anything since.
> Parts kit or individual purchases will be fine with me, whatever the elmer
> suggests.
> Maybe I will be able to use my Ramsey PICPRO programmer that has been
> sitting around collecting dust.
> Will these sessions be on this list or direct email or.....?
>
> 73 de N3XPD

> Mike
>
> -----
>
> Date: Fri, 25 Jul 2003 22:00:57 -0400
> From: "John J. McDonough" <wb8rcr@arrl.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
> Subject: [154954] Elmer 160: Beginning PIC applications
> Message-ID: <066b01c35319\$c2915ca0\$010044c0@chartermi.net>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="Windows-1252"
> Content-Transfer-Encoding: 7bit
>
> Ok Gang,
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> PIC Elmer session, so I guess it's a go. Besides the notes you saw on the
> reflector, I got close to 50 emails direct. I've already started
preparing.
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> One thing that concerns me is the parts. Most everything I plan to use
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> probably already have or you can get at Radio Shack. The two exceptions
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> the PIC itself and the crystal.
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> DigiKey. *BUT*, DigiKey has a \$25 minimum order and they ship UPS, which
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> and how much of a hurry you are in). Of course, it's not hard to find
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> My local RS had all of these last week when I was there, but I understand
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>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>
> -----
>
>

Date: Sun, 27 Jul 2003 11:37:19 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [155023] Re: NVIS Antenna
Message-ID: <5.1.1.6.0.20030727112723.00a197b0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Bill,

For a quick and dirty base insulator, try a rubber crutch tip fixed to the ground with a screwdriver - a Philips head for easy insertion. The handle is sized to fit inside the base tube but still provide a snug fit. This usually allows the antenna assembly to free-stand while the lowest guying ring is installed.

I've used this simple system for over fifteen years with my Random Wire Vertical - no complaints.

For an upgraded version of the RWV tube-set, I machinist friend turned out a base mount from black delrin with a sharpened SS rod for a base pin - also works well.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Sun, 27 Jul 2003 11:42:28 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: w2kj@bellsouth.net
Cc: qrp-1@Lehigh.EDU
Subject: [155024] Re: Flight of the Bumblebees
Message-ID: <20030727.114228.-1863227.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1200L/1700z

Wayne_W5KDJ
ex: SV0WWW_TF2WJN *e-QSL*
ARS_1392 ARCI_11325 FP-626
FISTS_10060 SOC_538 ARRL

Date: Sun, 27 Jul 2003 11:56:49 -0500
From: Joe Martin <km5cw@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [155025] Re: Rock Mites and Frozen Altoids tins
Message-ID: <3F240451.4010901@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Yea Mike, all you need is a little Chebyshev 5-element high-pass filter.
If you have a T37-2 Toroid core, two 820pF ceramic caps, one 470pF cap
enough mag wire.
Or you can go to the QRPp International Radio Club site (
<http://www.QRPp-I.com>) and order the little "kit" of parts, they accept
PayPal also,,if you don't have those parts that might be your best way.
I am using one on my RM's it works great. I kept mine separate in a
small mettal box from Radio Shack but you can build it right into a RM
box if you like.
73 de KM5CW Joe

Dallas-Stuck in the middle-Ft.Worth

Michael Babineau wrote:

> Well ... at long last I have finished my Rockmite 40M and successfully
> mounted it into an altoids tin.
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> Altoids tin with water and freezing it before drilling holes. This worked
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> Any suggestions on reducing BCB interference? So far I have only had the
> RM hooked up to my rather broad-banded GAP vertical which I am sure is
> not
> helping the problem.
>
> Cheers ...
>
> Michael VE3WMB
>
>

--

Date: Sun, 27 Jul 2003 11:59:56 -0500
From: "George, W5YR" <w5yr@att.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [155026] Re: Low-Power operation is a state of mind, EDN says
Message-ID: <008d01c35460\$83056bb0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, July 27, 2003 8:14 AM

Subject: Re: Low-Power operation is a state of mind, EDN says

<snip>

. And I don't think running low power is
> anything special.

Bruce, I really have to take exception with that one.

"Running" low power may not be anything special, but my experience has been that the QRP community is very, very special.

I have enjoyed amateur radio more during the last few years that I have concentrated on QRP than in all the previous time in my nearly 58 years of hamming.

Nowhere else have I encountered a more enthusiastic group of guys and gals that *enjoy* what they do, be it operating or building or whatever. The QRP group seems to be the remaining vestige of amateurs that work at understanding how their equipment and stations operate, building their own equipment, and avoiding the class struggles that pit the various interest groups against one another, with power being one of the main weapons.

Perhaps it is the constant challenge to see what you can accomplish with your station, including the operator skills, when the playing field is leveled and most of your peers are running the same power as you: 5 watts.

So, to me, QRP and its practitioners are very special!

Hope you are on the mend and feeling better each day.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

Date: Sun, 27 Jul 2003 12:04:58 -0500

From: Joe Martin <km5cw@arrl.net>

To: qrp-1@Lehigh.EDU

Subject: [155027] rep ELMER 160(PIC 101 class)
Message-ID: <3F24063A.2010909@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Sounds like this would be very helpfull class, I built a little PIC programer platform last year but haven't done much with it yet,, I have a 16F84 in it but easy enough to switch out and I agree it would be best to get the newer chip for those who haven't got one yet and with this many guys a group buy could be worth while but only if someone was willing to mess with it, the parts aren't expensive. I have jpeg of mine I will put on my web site today if anyone wants to ck it out.

-- 73 de KM5CW Joe (<http://web.wt.net/~km5cw/>)
Dallas-Stuck in the middle-Ft.Worth

Date: Sun, 27 Jul 2003 13:16:08 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [155028] RE: Low Power
Message-ID: <001501c35462\$c55f6f40\$74883a18@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All !!!

Low power is a choice you make when you decide to operate . I enjoy QRP and under 1 watt operation and I make that choice.with the understanding that not all other operators will enjoy hearing my puny signal. Those that dont respond to my call is ok by me because I am not "armchair" copy but when most find out what I am running they are VERY happy to find that they can hear a signal that low !!!!! (under 1 watt). And almost everyone I work looks to have it confirmed !!!

Ham radio is a hobby of choices ... what you operate for a radio , what mode and who you look to work. Happiness is in the eye of the beholder and radio is no different.

Thanks , Rob for a look at that article and the operator involved has a right to fell as he likes I guess. We all have a right to enjoy the hobby as

we see fit and if he enjoys running a kilowatt thats fine !!

When running under 1 watt and the awards I've recieved I also must thank the ops on the other end of the QSO !! They either heard me well or had to strain their ears and rigs to dig me out. For this I am VERY thankful and without them nothing would have been gotten.

Everybody have fun and enjoy this great hobby in whatever way you wish !!!
Thats what its for !!!

71s

George Osier , N2JNZ / QRP

Date: Sun, 27 Jul 2003 12:28:44 -0500
From: Joe Martin <km5cw@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [155029] need an high-pass filter filter
Message-ID: <3F240BCC.6040302@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Yea Mike, all you need is a little Chebyshev 5-element high-pass filter.

If you have a T37-2 Toroid core, two 820pF ceramic caps, one 470pF cap enough mag wire.

Or you can go to the QRPP International Radio Club site (
<http://www.QRPP-I.com>) and order the little "kit" of parts, they accept PayPal also,,if you don't have those parts that might be your best way. I am using one on my RM's it works great. I kept mine separate in a small mettal box from Radio Shack but you can build it right into a RM box if you like.

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Cheers ...

Michael VE3WMB

Dallas-Stuck in the middle-Ft.Worth

Date: Sun, 27 Jul 2003 13:13:30 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <k4ahk@ix.netcom.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [155030] Re: NVIS Antenna
Message-ID: <000b01c3546a\$c896d2e0\$0200a8c0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That was my original post....

The AB-1241 ground mount base is available for \$68 from Scott at American Milspec.

Link: scroll down: <http://www.american-milspec.com/c783.html>

Mike, W9WIS

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-parci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 27 Jul 2003 20:04:13 +0100
From: "Hubert Smits" <hubert.smits@zen.co.uk>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [155031] OT: Cisco memory
Message-ID: <E19gqol-0008Lj-5S@heisenberg.zen.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;

charset="us-ascii"
Content-Transfer-Encoding: 7bit

All,

A couple of weeks ago somebody asked for Cisco memory. If this is still of interest then contact me off-line and I may be able to help.

72 de Hubert MM0GMM

Date: Sun, 27 Jul 2003 12:27:06 -0700
From: Scott Gregson <emtech@steadynet.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [155032] ZM-2 box
Message-ID: <3F24278A.7030906@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi folks,

We are just about to build an injection mold for the ZM-2 boxes.

I will probably start machining it this week.

My question - does anybody have any suggestions about the box that make make it better. We are going to make an almost exact copy of the one we are using now.

--

Scott Gregson
1127 Poindexter Ave W
Bremerton, WA 98312

<http://www.kjv.com> - Christian Printed materials
<http://emtech.steadynet.com> - Ham Radio Gear
<http://www.steadynet.com> - Webhosting

Date: Sun, 27 Jul 2003 15:31:41 +0000
From: ve3ab@mail.mondenet.com
To: qrp-1@Lehigh.edu
Subject: [155033] BB#168 has flown home..(storm es rain)

Message-ID: <200307271931.h6RJVp0A018031@barclay.mondenet.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Well I worked about 5 or 6 stations anyways..until we got buckets of rain here near Ottawa Ontario. I was by a lake with a 85 ft wire up in some trees(actually not too far from the house). Only band i worked was 20 mtrs. Nice quiet band conditions..not much qrm (unlike field day)..so working stations who were 449 or less was OK and interesting. Had my Index labs rig and a small tuner. One fellow actually called me by name!--sorry i couldnt remember his! 73 Earl VE3AB

Date: Sun, 27 Jul 2003 13:50:06 -0700

From: Scott Gregson <emtech@steadynet.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [155034] Re: ZM-2 box

Message-ID: <3F243AFE.3030800@steadynet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I am just talking about the plastic box - I am building a mold for the plastic box.

Scott Gregson wrote:

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>

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Bremerton, WA 98312

<http://www.kjv.com> - Christian Printed materials

<http://emtech.steadynet.com> - Ham Radio Gear

<http://www.steadynet.com> - Webhosting

Date: Sun, 27 Jul 2003 16:51:34 -0400
From: "Scott A. Thomas" <qrp1@DpPros.com>
To: <qrp-1@Lehigh.EDU>
Subject: [155035] Pic Programmer
Message-ID: <000101c35480\$de0989e0\$9601a8c0@i75k>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those interested, there's an Ebay vendor that sells a pic programmer for \$12.50 (including shipping) that will program a number of Microchip pics including the PIC16F628. If anyone has experience with the unit (Olimex PG2C) or software (ic-prog) <http://www.ic-prog.com/> I'd be interested in their opinions.

Date: Sun, 27 Jul 2003 17:11:19 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [155036] Re: Low-Power operation is a state of mind, EDN says
Message-ID: <3F243FF7.A3580F3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In some ways I tend to agree with you, but the hams I have associated with have had most of those qualities. Granted, I have spent most of the last 30 years building antenna, but I have also built a lot of QRP rigs. However, you are talking about people, not power.

73

Date: Sun, 27 Jul 2003 17:41:32 -0400
From: "John L. Sielke" <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [155037] Bumblebees
Message-ID: <oprshznviiwn9p1lib@smtp.comcast.net>

Content-Type: text/plain; charset=iso-8859-15; format=flowed
MIME-Version: 1.0

Nice pleasant afternoon sitting out on the veranda, sipping iced tea and searching and pouncing Bumblebees with the K1.
As has been the case, band condition were lousy. I have never had to ask for so many fills. A station would be solid, and then QSB to nothing, then back again. 20M was the only band really working. Very few Bbers on 40M here in the east, and it didn't sound very good either. Zilch, nada, zip on 15M, which I guess we better get used to for a few years. Good timing, looks like Tstorms moving in later.

John W2AGN

Date: Sun, 27 Jul 2003 16:51:19 -0500
From: "Randall" <Firefox67501@Cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [155038] RE: Elmer 160: Beginning PIC applications
Message-ID: <NGBBLIMNLFAPGFAAHFJCEPGCOAA.Firefox67501@Cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been following this idea with much interest and anticipation.
Also did a little browsing and found a (about 5 years old) PIC encoder kit, I think, at the TAPR web site at.....
<http://www.tapr.org/tapr/html/kitsf.html> .
Don't know if this is what anybody is looking for but it sure looks interesting.
It seems that it was designed for the 16F84 chips but might work with others.
Just food for thought.

Randall

PS, I'm in too

Date: Sun, 27 Jul 2003 17:50:16 -0400
From: "w8diz" <w8diz@cinci.rr.com>

To: <qrp-1@Lehigh.EDU>
Subject: [155039] Re: [fpqrp] BB today
Message-ID: <002b01c35489\$1124e830\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

What a lot of fun. Had 45 Qs with 28 BBs for 3780 points.

Location was the old Voice of America site, behind the main old building in Bethany Station, OH, aka Mason, OH. What a great site. No power lines, Flat open field. Only antennae that work here are verticals unless you set up multiple support. No trees! Set up a homebrew vertical for 20 meters with 4 radials/guys. Feedpoint at about 20 feet. Bottom of the antenna was supported by my truck's bumper hitch. Rig was the MP+ running a full 5 watts. Was a bit crowded near 14060 so I moved up and down by 3 or 4 KHz. Best signal was K5KDJ in TX running 250 mW with a solid 559.

After about 3 hours, the WX started to look funky so I packed up and headed for home.

Hope to work many of you next Sunday in the "Run for the Bacon" sprint.
<http://fpqrp.com/fpqrpun.html>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Sun, 27 Jul 2003 17:56:05 EDT
From: Gsdavis7070@cs.com
To: qrp-1@lehigh.edu
Subject: [155040] F.S. Excess QRP RIGS
Message-ID: <190.1dc6eec5.2c55a475@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Item one: HW-8 Its a 10 plus electrically and mech. Full output on all four bands.

cosmetic is not the greatest but acceptable. Has 2n3553 final. 100.00

Item 2: Radio shack HTX-100 ten meter rig. Clean and shiny. Its the older one that does cw. Works 100%. No faults. Mike and manual included.

Item 3: Argosy 525 A. Very clean, shiny and no scratches. Has #217 500hz filter and the #218 1.8 khz ssb filter and will throw in the stock ssb filter. Includes internal calibrator but its not mounted inside yet. Ten tec went all through it in Feb. this year.

172.00 bucks aint chicken feed. Have paper work from ten tec. No mic but have manual and power cord. I will loose money at 325.00 but thats how it goes. Dr. put me on blood press. pills that cost 1.25 each , so its good bye radios.

Will answer all quest . regarding these items. Gordy NW0Y

Date: Sun, 27 Jul 2003 17:54:04 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [155041] Re: Low-Power operation is a state of mind, EDN says
Message-ID: <3F2449FC.9164AD0F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Also, was EDN talking about low power operation in the radio sense of the phrase, or were they talking about low power consumption in circuits?

73

Date: Sun, 27 Jul 2003 15:02:42 -0700
From: "Chris Trask" <chrisrask@earthlink.net>
To: <bshort4@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [155042] Re: OT: Ft. Tuthill Personal Plans
Message-ID: <00a601c3548a\$ce8a5c60\$2b054bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Date: Sun, 27 Jul 2003 16:59:57 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: w8diz@cinci.rr.com
Cc: qrp-1@Lehigh.EDU
Subject: [155043] Re: [fpqrp] BB today
Message-ID: <20030727.165957.-1645267.1.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had a good time also. 33 QSO's and 17 B's running 250mw.

Wayne_W5KDJ
ex: SV0WWW_TF2WJN *e-QSL*
ARS_1392 ARCI_11325 FP-626
FISTS_10060 SOC_538 ARRL

Date: Sun, 27 Jul 2003 18:04:35 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [155044] Norcal Cascade / 20 meter power mod ?
Message-ID: <20030727.180442.9070.2.kc8aon@juno.com>

Anyone know of a mod to get more power out on 20 meters in the Norcal Cascade SSB radio ? 75 meters is fine, would just like a little more on 20.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
I'll give up CW when I'm dead ! MAYBE !

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Date: Sun, 27 Jul 2003 17:22:19 -0500
From: Richard Lim <richlim11@yahoo.com>
To: QRP-L <qrp-1@lehigh.edu>
Subject: [155045] BB contest
Message-ID: <BB49BACB.46AF%richlim11@yahoo.com>

Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Well guys I made it. My FIRST ever CW contest! Thanks to all those who put up with my S-L-O-W CW and the repeats! Twas a blast. Too bad condx were so bad, here in Chicago, had a T-storm roll through which almost made me scrap the whole thing. 72 to all and until the next time--- I'M HOOKED!

Rich
KQ9L/BB

Date: Sun, 27 Jul 2003 17:35:36 -0500
From: Tim Pettibone <k5oi@cox.net>
To: qrp-l@lehigh.edu
Subject: [155046] Where's the beef (er, the foxes)?
Message-ID: <5.1.0.14.0.20030727172933.00b3e6d8@pop.central.cox.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I've just moved to a smaller, lower place, but how come I can't hear any of the foxes or hounds? This isn't fun anymore. Too early, too difficult, and too frustrating. My worst year yet.

Tim K5OI
Stillwater, OK

End of QRP-L Digest 2994

